Amendments to the Claims:

1	1.	(currently amended) In a computer system on which one or more applications
2		execute, wherein a first application configuration is defined by first application
3		configuration information, the first application configuration providing for
4		execution of the application, a computer-implemented method for reconfiguring
5		[[the]] an application without restarting the computer system, comprising:
6		wherein a first application configuration is defined by first application
7		configuration information, the first application configuration information
8		specifying application classes for execution of the application according to
9		the first application configuration;
10		reading second application configuration information defining a reconfigured
11		version of the application, the second application configuration
12		information specifying application classes for execution of the application
13		according to the reconfigured version of the application;
14		constructing a second application configuration based on the second application
15		configuration information; and
16		providing the second application configuration to an application runtime
17		environment for servicing new requests related to the application while
18		maintaining the first application configuration for servicing, concurrently
19		with the servicing of new requests based on the second application
20		configuration, existing requests related to the application.
1	2.	(original) The method of claim 1, further comprising:
2		destroying the first application configuration upon completion of all application
3		service requests using the first application configuration, whereby

4		computer system resources used to maintain the first application
5		configuration are made available for other uses.
1	3.	(original) The method of claim 1, further comprising:
2		accessing persistent session information related to an existing application user
3		session to use for servicing new requests from the same user during the
4		existing application user session.
1	4.	(original) The method of claim 1, further comprising:
2		determining that the second application configuration successfully initialized prior
3		to providing the second application configuration to the runtime
4		environment for servicing new requests.
1	5.	(original) The method of claim 4, wherein the step of determining that the second
2		application configuration successfully initialized is based on a communication
3		from the application runtime environment.
1	6.	(original) The method of claim 1, further comprising:
2		receiving a request to reconfigure the computer system; and
3		reconfiguring the computer system in response to the request.
1	7.	(original) The method of claim 1, wherein constructing the second application
2		configuration is further based on an application runtime environment
3		configuration.
1	8.	(original) The method of claim 7 wherein constructing the second application
2		configuration includes:
3		reading a timestamp associated with the second application configuration
4		information: and

5		determining that the second application configuration information is different than
6		the first application configuration information based on the timestamp.
1	9.	(original) The method of claim 1 wherein constructing the second application
2		configuration includes:
3		reading a timestamp associated with a class file referenced in the second
4		application configuration information;
5		determining that the class file has changed based on the timestamp; and
6		constructing the second application configuration, at least in part, according to the
7		changed class file.
1	10.	(original) The method of claim 1, further comprising:
2		logging one or more messages related to providing the second application
3		configuration to the computer system.
1	11.	(original) The method of claim 1, wherein providing the second application
2		configuration comprises:
3		updating a current configuration reference to reference the second application
4		configuration rather than the first application configuration.
1	12.	(original) The method of claim 11, wherein updating the current configuration
2		reference is performed atomically.
1	13.	(original) The method of claim 1 wherein the first application configuration is
2		maintained for servicing, without interruption, existing requests related to the
3		application from an existing connection.
1	14.	(currently amended) In a computer system on which one or more applications
2		execute, wherein a former application configuration is defined by a first

3		application configuration information and a current application configuration is
4		defined by a second application configuration information, the application
5		configurations providing for execution of the application, a computer-
6		implemented method for processing application service requests, comprising:
7		wherein the first application configuration information specifies application
8		classes for execution of the application according to the former application
9		configuration and the second application configuration information
10		specifies application classes for execution of the application according to
11		the current application configuration;
12		completing processing, based at least in part on the application classes specified
13		in the first application configuration information, a pending first request
14		for an application service that is associated, via a global variable, with the
15		former application configuration;
16		receiving a second request for an application service;
17		associating, via a global variable, the second request with the current application
18		configuration;
19		accessing the second application configuration information defining the current
20		application configuration; and
21		processing the second request according to based at least in part on the application
22		classes specified in the second application configuration information.
1	15.	(original) The method of claim 14 wherein the pending first request and the
2		second request originate from the same user session, and wherein completing
3		processing the pending first request and processing the second request are
4		performed without restarting the computer system.

l	16.	(original) The method of claim 14, further comprising:
2		determining whether the first application configuration information is referenced
3		by at least one pending process; and
4		deleting the first application configuration information from the computer system
5		in response to determining that the first application configuration
6		information is not referenced by at least one pending process.
1	17.	(original) The method of claim 16, wherein the first application configuration
2		information occupies one or more blocks of memory, and wherein deleting the
3		first application configuration comprises:
4		releasing the one or more blocks of memory.
1	18.	(original) The method of claim 16, wherein determining whether the first
2		application configuration information is referenced by at least one pending
3		process comprises:
4		determining whether a reference count is equal to a predetermined value
5		indicating that no processes are referencing the first application
6		configuration information.
1	19.	(currently amended) In a computer system on which one or more applications
2		execute, wherein a plurality of application configurations are defined by a
3		plurality of associated application configuration information and one application
4		configuration of the plurality of application configurations is the current
5		configuration associated with a current version of a first application and two or
6		more other application configurations of the plurality of application
7		configurations are former configurations associated with former versions of the

ð		first application, a computer-implemented method for processing application
9		service requests, comprising:
10		completing processing one or more pending requests for application services that
11		are associated with any of the former configurations according to
12		corresponding former configuration information that is associated with
13		each of the one or more pending requests and that specifies application
14		classes for execution of the application according to a corresponding
15		former configuration, wherein the one or more pending requests are
16		processed based at least in part on the application classes specified in the
17		corresponding former configuration information;
18		while completing processing the one or more pending requests,
19		receiving a new request for an application service,
20		accessing current application configuration information defining the
21		current configuration and specifying application classes for
22		execution of the application according to the current configuration
23		and
24		processing the new request according to based at least in part on the
25		application classes specified in the current application
26		configuration information.
1	20.	(currently amended) In a computer system on which one or more applications
2		execute, wherein a current application configuration is defined by a first
3		application configuration information, the current configuration providing for
4		execution of the application, a computer-readable medium comprising
5		instructions which, when executed by one or more processors, cause the one or

0		more processors to reconfigure [[the]] an application without restarting the
7		computer system, by performing the steps of:
8		wherein a first application configuration is defined by first application
9		configuration information, the first application configuration information
10		specifying application classes for execution of the application according to
11		the first application configuration;
12		reading second application configuration information defining a reconfigured
13		version of the application, the second application configuration
14		information specifying application classes for execution of the application
15		according to the reconfigured version of the application;
16		constructing a second application configuration based on the second application
17		configuration information; and
18		providing the second application configuration to an application runtime
19		environment for servicing new requests related to the application while
20		maintaining the first application configuration for servicing, concurrently
21		with the servicing of new requests based on the second application
22		configuration, existing requests related to the application.
1	21.	(original) The computer readable medium of claim 20, wherein execution of the
2		instructions by the one or more processors causes the one or more processors to
3		perform:
4		destroying the first application configuration upon completion of all application
5		service requests using the first application configuration, whereby
6		computer system resources used to maintain the first application
7		configuration are made available for other uses.

1	22.	(original) The computer readable medium of claim 20, wherein execution of the
2		instructions by the one or more processors causes the one or more processors to
3		perform:
4		accessing persistent session information related to an existing application user
5		session to use for servicing new requests from the same user during the
6		existing application user session.
1	23.	(original) The computer readable medium of claim 20, wherein execution of the
2		instructions by the one or more processors causes the one or more processors to
3		perform:
4		determining that the second application configuration successfully initialized prior
5		to providing the second application configuration to the runtime
6		environment for servicing new requests related to the application.
1	24.	(original) The computer readable medium of claim 23, wherein execution of the
2		instructions by the one or more processors causes the one or more processors to
3		perform the step of determining that the second application configuration
4		successfully initialized based on a communication from the application runtime
5		environment.
1	25.	(original) The computer readable medium of claim 20, wherein execution of the
2		instructions by the one or more processors causes the one or more processors to
3		perform:
4		receiving a request for reconfiguring the computer system absent any changes to
5		the computer system configuration; and

6		reconfiguring the computer system based on the second application configuration
7		in response to the request.
1	26.	(original) The computer-readable medium of claim 20, wherein constructing a
2		second application configuration is based on the second application configuration
3		information and an application runtime environment configuration, and wherein
4		execution of the instructions by the one or more processors causes the one or
5		more processors to perform providing the second application configuration to the
6		server for servicing new requests related to the application according to the
7		second application configuration.
1	27.	(original) The computer-readable medium of claim 26 wherein execution of the
2		instructions by the one or more processors causes the one or more processors to
3		perform constructing the second application configuration by performing the steps
4		of:
5		reading a timestamp associated with the second application configuration
6		information; and
7		determining that the second application configuration information is different than
8		the first application configuration information based on the timestamp.
1	28.	(original) The computer-readable medium of claim 20 wherein execution of the
2		instructions by the one or more processors causes the one or more processors to
3		perform constructing the second application configuration by performing the steps
4		of:
5		reading a timestamp associated with a class file referenced in the second
6		application configuration information;
7		determining that the class file has changed based on the timestamp; and

8		constructing the second application configuration, at least in part, according to the
9		changed class file.
1	29.	(original) The computer readable medium of claim 20, wherein execution of the
2		instructions by the one or more processors causes the one or more processors to
3		perform:
4		logging one or more messages related to providing the second application
5		configuration to the computer system.
1	30.	(original) The computer-readable medium of claim 20 wherein execution of the
2		instructions by the one or more processors causes the one or more processors to
3		perform providing the second application configuration by performing the steps
4		of:
5		updating a current configuration reference to reference the second application
6		configuration rather than the first application configuration.
1	31.	(original) The computer-readable medium of claim 30 wherein execution of the
2		instructions by the one or more processors causes the one or more processors to
3		perform updating the current configuration reference atomically.
1	32.	(currently amended) In a computer system on which one or more applications
2		execute, wherein a former application configuration is defined by a first
3		application configuration information and a current application configuration is
4		defined by a second application configuration information, the application
5		configurations providing for execution of the application, a computer-readable
6		medium comprising instructions which, when executed by one or more

7		processors, cause the one or more processors to process application service
8		requests, by performing the steps of:
9		wherein the first application configuration information specifies application
10		classes for execution of the application according to the former application
11		configuration and the second application configuration information
12		specifies application classes for execution of the application according to
13		the current application configuration;
14		completing processing, based at least in part on the application classes specified
15		in the first application configuration information, a pending first request
16		for an application service that is associated, via a global variable, with the
17		former application configuration;
18		receiving a second request for an application service;
19		associating, via a global variable, the second request with the current application
20		configuration;
21		accessing the second application configuration information defining the current
22		application configuration; and
23		processing the second request according to based at least in part on the application
24		classes specified in the second application configuration information.
1	33.	(original) The computer-readable medium of claim 32 wherein the pending first
2		request and the second request originate from the same user session, and wherein
3		execution of the instructions by the one or more processors causes the one or
4		more processors to perform completing processing the pending first request and
5		processing the second request without having to restart the computer system.

1	34.	(original) The computer-readable medium of claim 32 wherein execution of the
2		instructions by the one or more processors causes the one or more processors to
3		perform the steps of:
4		determining whether the first application configuration information is referenced
5		by at least one pending process; and
6		deleting the first application configuration information from the computer system
7		in response to determining that the first application configuration
8		information is not referenced by at least one pending process.
1	35.	(original) The computer-readable medium of claim 34, wherein the first
2		application configuration information occupies one or more blocks of memory,
3		and wherein execution of the instructions by the one or more processors causes
4		the one or more processors to perform deleting the first application configuration
5		by performing:
6		releasing the one or more blocks of memory.
1	36.	(original) The computer-readable medium of claim 34, wherein execution of the
2		instructions by the one or more processors causes the one or more processors to
3		perform determining whether the first application configuration information is
4		referenced by at least one pending process by performing:
5		determining whether a reference count associated with the first application
6		configuration information is equal to a predetermined value indicating that
7		no processes are referencing the first application configuration
8		information.

	1 37.	(original) The computer readable medium of claim 36, wherein execution of the
,	2	instructions by the one or more processors causes the one or more processors to
	3	perform determining that the second application configuration successfully
4	4	initialized based on a communication from an application runtime environment.
1	38.	(currently amended) An apparatus on which one or more applications execute, wherein
2		a first application configuration is defined by first application configuration
3		information, the first application configuration providing for execution of the
4		application, the apparatus comprising:
5		a network interface;
6		a memory; and
7		one or more processors connected to the network interface and the memory, the one or
8		more processors configured for
9		wherein a first application configuration is defined by first application configuration
10		information, the first application configuration information specifying
11		application classes for execution of the application according to the first
12		application configuration;
13		reading second application configuration information defining a reconfigured version of
14		the application, the second application configuration information specifying
15		application classes for execution of the application according to the reconfigured
16		version of the application;
17		constructing a second application configuration based on the second application
18		configuration information; and
19		providing the second application configuration to an application runtime environment
20		for servicing new requests related to the application while maintaining the first

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21	application configuration for servicing, concurrently with the servicing of new
22	requests based on the second application configuration, existing requests related
23	to the application.